Attorney Docket No.: 021756-004100US

WHAT IS CLAIMED IS:

1	1. A method for capturing information for activity in a database, the				
2	database including one or more sessions that may or may not be active over a period of time,				
3	the method comprising:				
4	determining a plurality of times to sample the database;				
5	at each of the each plurality of times, performing the steps of:				
6	determining one or more active sessions from the one or more sessions				
7	included in the database that are active at the time;				
8	capturing information for each of the one or more active sessions; and				
9	storing the captured information for each of the active sessions.				
1	2. The method of claim 1, wherein capturing information comprises				
2	capturing the information using an internal process in the database.				
1	3. The method of claim 1, wherein at different times in the plurality of				
2	times, the determined one or more active sessions include different sessions.				
1	4. The method of claim 1, wherein at least a part of the stored capturing				
2	information for a session provides a session history.				
1	5. The method of claim 1, wherein capturing information for each of the				
2	one or more active sessions is performed without using SQL.				
1	6. The method of claim 1, further comprising:				
2	filtering the captured information based on which information is desired; and				
3	archiving the captured information for a session if it is desired.				
1	7. The method of claim 6, wherein filtering the captured information				
2	comprises filtering the captured information based on a time the captured information was				
3	captured.				
1	8. The method of claim 1, wherein the captured information includes at				
2	least one of a username, a request syntax, and information on what activity the session is				
3	nerforming at the time				

1	9. The method of claim 1, wherein storing the captured information				
2	comprises storing the information storing the information in at least one of temporary storage				
3	and archival storage.				
1	10. The method of claim 1, further comprising creating a view from the				
2	captured information, the viewing indicating database activity.				
1	11. The method of claim 1, further comprising:				
2	determining captured information that includes a session that has incomplete	;			
3	information;				
4	determining when the incomplete information is received; and				
5	adding the received information to a sample for the session.				
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1	12. The method of claim 1, wherein the plurality of times includes times	11.			
2	a periodic interval.				
1	13. An apparatus for sampling database activity, the database including				
2	one or more sessions that may or may not be active over a period of time, the method				
3	comprising:				
4	a session activity determiner configured to determine one or more active				
5	sessions of one or more sessions in the database at certain times over a time interval, wherein				
6	the one or more sessions may or may not be active over a period of time; and				
7	an activity sampler configured to capture samples of activity for active				
8	sessions at the certain times, wherein the samples are captured by recording a sequence of				
9	snapshots of information for one or more active sessions over time.				
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l	14. The apparatus of claim 13, wherein the activity sampler is located in				
2	the database.				
1	15. The apparatus of claim 13, further comprising a storage device				
2	configured to store the captured samples of activity.				
1	16. The apparatus of claim 15, wherein the storage device comprises a				
l S					
2	temporary storage.				

1		17.	The apparatus of claim 16, further comprising archival storage			
2	configured to store information that is older than information stored in temporary storage.					
1		18.	The apparatus of claim 15, further comprising a view creator			
2	configured to	create a	view of database activity from the information stored in the storage			
3	device.					
1		19.	The apparatus of claim 13, further comprising a filter configured to			
2	filter the captu	filter the captured samples to determine which information in the captured sampled should be				
3	stored.					
1		20.	The apparatus of claim 13, further comprising a process configured to			
2	determine if a	session	includes incomplete information and to add the information to a sample			
3	for the session when it is captured.					
1		21.	The apparatus of claim 13, wherein the activity sampler is configured			
2	to capture the	sample	s of activity without using a query language.			
1		22.	A method for capturing session activity in a database, the database			
2	including one	or more	e sessions that may or may not be active over a period of time, the			
3	method comprising:					
4		determ	ining one or more active sessions from the one or more sessions in the			
5	database at certain times over a time interval; and					
6	capturing samples of activity for active sessions at the certain times, wherein					
7	the samples are captured by recording a sequence of snapshots of information for one or more					
8	active sessions over time.					
1		23.	The method of claim 22, further comprising storing the samples of			
2	activity.					
1		24.	The method of claim 23, wherein storing the samples comprises			
2	storing the samples in at least one of temporary storage and archival storage.					
1		25.	The method of claim 23, wherein information in temporary storage has			
2	been captured	more re	ecently than information in the archival storage.			

1		26.	The method of claim 23, further comprising filtering information in the		
2	temporary storage to determine if the information should be stored in the archival storage.				
1		27.	The method of claim 23, further comprising creating a view from the		
2	stored informs		ndicating database activity over a period of time.		
2	Stored Informa	ation n	idicating database activity over a period of time.		
1		28.	The method of claim 22, further comprising:		
2		deterr	mining captured information that includes a session that has incomplete		
3	information;				
4	determining when the incomplete information is received; and				
5	adding the received information to the session.				
1		29.	The method of claim 22, wherein capturing samples of activity is		
2	performed wit				
2	periorined wi	inout u	sing 5QL.		
1		30.	The method of claim 22, wherein capturing samples of activity		
2	comprises cap	turing	the samples of activity using an internal process in the database.		
1		31.	A computer program product stored on a computer-readable medium		
2	for capturing information for activity in a database, the database including one or more				
3	sessions that may or may not be active over a period of time, the computer program product				
4	comprising:				
5		code	for determining a plurality of times to sample the database;		
6		at eac	th of the each plurality of times, performing the steps of:		
7			code for determining one or more active sessions from the one or more		
8	sessions included in the database that are active at the time;				
9			code for capturing information for each of the one or more active		
10	sessions; and				
11			code for storing the captured information for each of the active		
12	sessions.				
1		32.	The computer program product of claim 31, wherein code for		
2	capturing information comprises code for capturing the information using an internal process				
3	in the databas	se.			

1	33. The computer program product of claim 31, wherein at different time				
2	in the plurality of times, the determined one or more active sessions include different				
3	sessions.				
1	34. The computer program product of claim 31, wherein code for				
2	capturing information for each of the one or more active sessions is performed without using				
3	SQL.				
1	35. The computer program product of claim 31, further comprising:				
2	code for determining captured information that includes a session that has				
3	incomplete information;				
4	code for determining when the incomplete information is received; and				
5	code for adding the received information to a sample for the session.				
1	36. A computer program product stored on a computer-readable medium				
2	for capturing session activity in a database, the database including one or more sessions that				
3	may or may not be active over a period of time, the computer program product comprising:				
4	code for determining one or more active sessions from the one or more				
5	sessions in the database at certain times over a time interval; and				
6	code for capturing samples of activity for active sessions at the certain times,				
7	wherein the samples are captured by recording a sequence of snapshots of information for				
8	one or more active sessions over time.				
1	37. The computer program product of claim 36, further comprising:				
	code for determining captured information that includes a session that has				
2					
3	incomplete information;				
4	code for determining when the incomplete information is received; and				
5	code for adding the received information to the session.				
1	38. The computer program product of claim 36, wherein code for				
2	capturing samples of activity is performed without using SQL.				

<u>PATENT</u>

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- 1 39. The computer program product of claim 36, wherein code for
- 2 capturing samples of activity comprises code for capturing the samples of activity using an
- 3 internal process in the database.

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